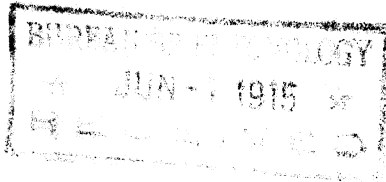


UNITED STATES DEPARTMENT OF AGRICULTURE
FEDERAL HORTICULTURAL BOARD,
WASHINGTON, D. C.



July 9, 1914.

NEWS LETTER NO. 11.

Dear Sir:

With this letter is given a list of pests collected in Hawaii on imported material by Mr. E. M. Ehrhorn since January 1st of the current year as indicated in the Hawaiian Forester and Agriculturist.

As will be noted, the citrus leaf-miner (Phyllocnistis citrella) has been detected on citrus and Atalanta originating in the Philippine Islands. This leaf-miner in India is considered a very serious enemy of citrus, especially young nursery stock.

Puparia of the papaya fruit fly (Toxotrypana curvicauda) were found by Mr. H. L. Sanford loose in a package containing an unknown vine from Mexico. This material was retained, and subsequently adults were reared. As there was no soil present when the vines were received, the puparia evidently remained attached to the plant when it was removed from the soil.

In addition to the above, many pests of greater or less importance have been reported by the various State inspectors, as shown by the attached list.

Yours very truly,

C. L. MARLATT,

Chairman of Board.

List by Countries of Pests Collected.

Name of Pest.	Host.
<u>ALGERIA.</u>	
Parlatoria blanchardi (Blanchard scale)	Date Palms.
Plagiolepis pygmaea (Ant)	" "
<u>ARGENTINE.</u>	
Calandra oryza (Rice Weevil)	Corn
Sitotroga cerealella (Angoumois grain moth)	"
<u>BELGIUM.</u>	
Aleyrodes sp. (White fly)	Palms
Aphids (Plant lice)	"
Aspidiotus britannicus (Scale insect)	Bay trees (6)
" hederæ (Ivy scale)	Palms
" sp. (Scale insect)	Bay trees
Chrysomphalus aurantii (?) Cal. red scale (?)	Palms (3)
" " (?) " " " (?)	Phoenix
" dictyospermi (Scale insect)	Palms
" ficus (Florida red scale)	" (10)
" " " " "	?
Coccus hesperidum (Soft brown scale)	Aralia
" " " " "	Cocos
" " " " "	Bay trees (22)
" " " " "	Metrosideros
" " " " "	Palms (8)
Diaspis boisduvalii (Scale insect)	" (2)
" " (?) (Scale insect)	" (3)
Hemichionaspis aspidistrae (Scale insect)	Aspidistra (3)
Mites	Vignes deploine terre
Pseudococcus sp. (Mealy bug)	Bay trees
" " "	Ficus
" " "	Palms (4)
" " "	Rubber plant
Saissetia hemisphaerica (Hemispherical scale)	Palms (2)

Name of Pest.

Host.

BELGIUM (Continued)

Diseases:

Graphiola phoenicis (Fungus)

Phoenix

"

"

"

Phoenix canariensis

BRAZIL.

Cerataphis lataniae (Plant louse)

Orchids

Chionaspis citri (Scale insect)

Citrus

Diaspis boisduvalii (Scale insect)

Orchids

Howardia biclavis (Mining scale)

Rhoedea brasiliensis

Metamarius nemipterus (Sugar cane borer)

Sugar cane

Odonaspis sp. (Grass scale)

Mudas decapim d'angola

"

"

"

"

Capim angolinha

Pseudococcus sp. (Mealy bug)

Mudas decapim d'angola

"

"

"

"

Maranta

Disease:

Diplodia

Areca lutescens

CANADA.

Diseases:

Oospora scabies (Common potato scab)

Potatoes.

Rhizoctonia sp.

"

Spondyloccladium atrovirens (Silver scurf)

"

CANAL ZONE.

Chrysomphalus dictyospermi (Scale insect)

Palm

Diaspis pentagona (West Indian peach scale)

Geranium ?

Pseudococcus adonidum (Long-tailed mealy bug)

Palm

CEYLON

Lepidopterous larva

Paramignya monophylla

CHINA.

Cylas formicarius (Beetle)

Sweet potatoes

Omphisca anastomosalis (Moth)

"

"

Prenolepis longicornis (Black ant)

"

"

Rhizoglyphus sp. (Mite)

Nanmu seed

Tree hopper, eggs of

Diospyros kaki

Name of Pest.	Host.
<u>CHINA</u> (Continued).	
Tree hopper, eggs of	Crataegus pinnatifida
" " " "	Amygdalus persica
Tyroglyphus sp. (Mite)	?
Disease:	
Dothiorella sp.	Andropogon sorghum

<u>COLOMBIA.</u>	
Ants, small brown	Orchids
Blattella sp. (Roach)	"
Cremastogaster brevispinosa (Ant)	"
Diaspis boisduvalii (Scale insect)	?
" " " "	Orchids
Ectobia germanica (German roach)	"
Eggs of (?)	?
Lepidopteron, larva of	?
Monomorium pharaonis (Ant)	Orchids
Porcellionides pruinosus (Isopod)	"
Roach	?
Tenthecoris bicolor (Capsid)	Orchids
Tenuipalpus sp. (Mites)	"
Diseases:	
Gloeosporium cattleyae	"
Pythium ?	"
Volutella sphaeriformis	"

<u>COSTA RICA.</u>	
Ants	Orchids
Tenebrionid (Beetle)	"

<u>ECUADOR.</u>	
Aleyrodes sp. (White fly)	Cherimoya
Pseudaonidia articulatus (Scale insect)	Limoncillo
Saissetia hemisphaerica (Hemispherical scale)	"

Name of Pest.	Host.
<u>ENGLAND.</u>	
Aspidiotus hederae (Ivy scale)	Kentia
Diaspis boisduvalii (Scale insect)	Orchids
Eucalymnatus perforatus " "	Kentia
Hemichionaspis aspidistrae (Scale insect)	"
" " " "	Rhapis palms
" " " "	Asplenums
Pseudococcus adonidum (Long-tailed mealy bug)	Lonicera hilderbranta
" " " " " "	Taxonia exoniensis
" " " " " "	Vitis rhomboides
" sp. (Mealy bug)	Nepenthes hookerania
Saissetia hemisphaerica (Hemispherical scale)	Crotons
Timetocera ocellana (Eye-Spotted Bud moth)	Apple trees

<u>FRANCE.</u>	
Bryobia pratensis (Clover mite)	Pear stocks
Lepidosaphes ulmi (Oyster-shell scale)	Crab trees
Tenebrio molitor (Beetle)	In bottom of case of nursery stock

Diseases:	
Bacterium tumefaciens (Crown gall)	Flowering crab trees
" " " "	Apple

<u>GUATEMALA.</u>	
Carpophilus latinasus (Broad-nosed grain weevil)	Avocado seed
Hemipteron	Astrocaryum sp.
Rhizoglyphus hyacinthi (Bulb mite)	Achriadelphia
Scale insect	Alligator pear cuttings
Diseases:	
Colletotrichum sp.	Chamaedorea graminifolia
"	Reinhartia? (1)
"	Reinhartia (2)
"	Reinhartia (3)
Pestalozzia sp.	Reinhartia? (1)

<u>GUIANA (BRITISH).</u>	
Calandra oryza (Rice weevil)	Rice

Name of pest.

Host.

HOLLAND.

Eggs of (?)

Rhododendrons

Lepidosaphes ulmi (Oyster-shell scale)

Boxwood (2)

INDIA.

Disease:

Sooty mold

Orchids.

JAMAICA.

Howardia biclavis (Mining scale)

Cinnamon.

Pulvinaria pyriformis (Scale insect)

"

JAPAN.

Cerambycid (larvae)

Twigs of ?

Larvae of stem-boring moth

Twigs of ?

JAVA.

Tyroglyphus sp. (Mite)

Diospyros

KAMERUN.

Calandra oryza (Rice weevil)

Sorghum (2)

Rhizopertha dominica (Beetle)

"

Tribolium confusum (Confused flour beetle)

"

Diseases:

Phoma insidiosa

"

Sphacelotheca sorghi (Smut)

"

MEXICO.

Calandra granaria (Granary weevil)

Acorns

" oryza (Rice weevil)

"

Echocerus cornutus (Beetle)

"

Lepidosaphes philococcus (Scale insect)

Opuntias

Rhizopertha dominica (Beetle)

Acorns

Toxotrypana curvicauda (Papaya fruit fly)

Vine (name unknown)

Diseases:

Fusarium sp.

Macrozamia

Name of Pest.	Host.
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NORTHERN NIGERIA.

Disease: Sphacelotheca sorghi (Smut)	Sorghum vulgare
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NOVA SCOTIA.

Lepidosaphes ulmi (Oyster-shell scale)	Lilac
Disease: Anthracnose	Roses

PHILIPPINE ISLANDS.

Phyll enistis citrella (Citrus leaf miner)	Atalanta
" " " " "	Citrus leaves
Prenolepis longicornis (Black ant)	Yams
" " " "	Seed

SAMOA (AMERICAN)

Aspidiotus lataniae (Scale insect)	Ifi Ifi
Lepidopterous larvae	Paupau mati
" "	Dysoxylon sp.
" "	Seed of Tamanu (Maba sp.)
Mites, white	Paupau mati
" "	Dysoxylon sp.
Thrips, black	Paupau mati
" "	Dysoxylon

SIAM.

Calandra oryza (Rice weevil)	Oryza sativa
Laemophloeus minutus (Beetle)	" "
Sitotroga cerealella (Angoumois grain moth)	" "

SYRIA.

Disease: Smut	Barley
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List by States of Pests Collected.

Name of Pest.	Host.	Country of origin.
<u>CALIFORNIA.</u>		
Aspidiotus nederæ (Ivy scale)	Kentia	England
" sp. (Scale insect)	Bay trees	Belgium
Cerataphis lataniae (Plant louse)	Orchids	Brazil
Coccus hesperidum (Soft brown scale)	Bay trees	Belgium (3)
Diaspis boisduvalii (Scale insect)	Orchids	Brazil
" " " "	" "	England
Eucalymnatus perforatus (Scale insect)	Kentia	"
Hemichionaspis aspidistrae (Scale insect)	"	"
" " " "	Rhapis palms	"
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland
Pseudococcus adonidum (Long-tailed mealy bug)		
" " " " "	Taxonia exoniensis	England
" " " " "	Lonicera hilderbranta	"
" " " " "	Vitis rhomboides	"
" sp. (Mealy bug)	Nepenthes hookerania	"
" " " "	Maranta	Brazil
" " " "	Bay trees	Belgium
Saissetia hemisphaerica (Hemispherical scale)	Crotons	England
Scale insect	Alligator pear cuttings	Guatemala

CONNECTICUT.

Coccus hesperidum (Soft brown scale)	Palms	Belgium (2)
" " " " "	Bay trees	Belgium
Hemichionaspis aspidistrae (Scale insect)	Aspidistra	"
Pseudococcus sp. (Mealy bug)	Rubber plant	"
Saissetia hemisphaerica (Hemispherical scale)	Palms	"

Disease:

Graphiola phoenicis (Fungus)	Phoenix	"
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DISTRICT OF COLUMBIA.

Aleyrodes sp. (White fly)	Cherimoya	Ecuador
Aspidiotus nederæ (Ivy scale)	Kentia	Belgium
" lataniae (Scale insect)	Ifi Ifi	Samoa (American)
Bruchophagus funebris (Clover-seed chalcis)		
" " " " "	Wild alfalfa seed	Turkey
" " " " "	Alfalfa seed	"

Name.	Host.	Country of origin.
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DISTRICT OF COLUMBIA (Continued).

Calandra granaria (Granary weevil)	Acorns	Mexico
" oryza (Rice weevil)	Sorghum	Kamerun (2)
" " "	Rice	British Guiana
" " "	Acorns	Mexico
" " "	Corn	Argentine
" " "	Oryza sativa	Siam
Carpophilus latinasus (Broad-nosed grain weevil)	Avocado seed	Guatemala
Chionaspis citri (Scale insect)	Citrus	Brazil
Chrysomphalus dictyospermi (Scale insect)	Palm	Canal Zone
Diaspis pentagona (West Indian peach scale)	Geranium?	" "
Echocerus cornutus (Beetle)	Acorns	Mexico
Hemipteron	Astrocaryum sp.	Guatemala
Howardia biclavus (Mining scale)	Rheedeia brasiliensis	Brazil
Laemophloeus minutus (Beetle)	Oryza sativa	Siam
Lepidopterous larvae	Dysoxylon sp.	Samoa (American)
" "	Seed of Tamanu (Maba sp.)	Samoa (American)
" "	Paramignya monophylla	Ceylon
" "	Paupau mati	Samoa (American)
Lepidosaphes philococcus (Scale insect)	Opuntias	Mexico
Metamarius hemipterus (Sugar cane borer)	Sugar cane	Brazil
Mites, white	Dysoxylon sp.	Samoa (American)
" "	Paupau mati	" "
Odonaspis sp. (Grass scale)	Capim angolinha	Brazil
" " " "	Mudas decapim d'angola	"
Phyllocnistis citrella (Citrus leaf miner)	Citrus leaves	Philippine Isl.
" " " " " "	Atalanta	" "
Pseudaonidia articulatus (Scale insect)	Limoncillo	Ecuador
Pseudococcus adonidum (Long-tailed mealy bug)	Palm	Canal Zone
" sp. (Mealy bug)	Mudas decapim d'Angola	Brazil
Rhizoglyphus hyacinthi (Bulb mite)	Achriadelphia	Guatemala
" sp. (Mite)	Nanmu seed	China
Rhizopertha dominica (Beetle)	Acorns	Mexico
" "	Sorghum	Kamerun
Saissetia hemisphaerica (Hemispherical scale)	Kentia	Belgium
" " " "	Limoncillo	Ecuador
Silvanus surinamensis (Corn Silvanus)	Wheat	Transvaal
Sitotroga cerealella (Angoumois grain moth)	Oryza sativa	Siam
" " " " " "	Corn	Argentine
Thrips, black	Paupau mati	Samoa (American)
" "	Dysoxylon sp.	" "
Toxotrypana curvicauda (Papaya fruit fly)	Vine (name unknown)	Mexico
Tree hopper, eggs of	Crataegus pinnatifida	China

Name of Pest.	Host.	Country of origin.
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DISTRICT OF COLUMBIA (Continued).

Tree hopper, eggs of	Diospyros kaki	China
" " " "	Amygdalus persica	"
Tribolium confusum (Confused flour beetle)	Sorghum	Kamerun
Tyroglyphus sp. (Mite)	?	China
" " "	Diospyros	Java
Diseases:		
Colletotrichum sp.	Chamaedoria graminifolia	Guatemala
" "	Reinhartia? (1)	"
" "	Reinhartia (2)	"
" "	" (3)	"
Dothiorella sp.	Andropogon sorghum	China
Fusarium sp.	Macrozamia	Mexico
Pestalozzia sp.	Reinhartia? (1)	Guatemala
Phoma insidiosa	Sorghum	Kamerun
Smut	Barley	Syria
"	Wheat	Transvaal
Sphacelotheca sorghi (Smut)	Sorghum	Kamerun
" " "	" vulgare	Northern Nigeria

HAWAII.

Ants	Orchids	Costa Rica
Cerambycid (larvae)	Twigs of ?	Japan
Cylas formicarius	Sweet potatoes	China
Larvae of stem-boring moth	Twigs of ?	Japan
Omphisa anastomosalis (Moth)	Sweet potatoes	China
Prenolepis longicornis (Black ant)	Yams	Philippine Isl.
" " " "	Seed	" "
" " " "	Sweet potatoes	China
Tenebrionid (Beetle)	Orchid	Costa Rica

ILLINOIS.

Aphids (Plant lice)	Palms	Belgium
Aspidiotus britannicus (Scale insect)	Bay trees	Belgium (2)
Chrysomphalus aurantii(?) (Cal. red scale)	(?) Palms	" (3)
" " (?) " " " (?)	Phoenix	"
" ficus (Florida red scale)	?	"
Coccus hesperidum (Soft brown scale)	Bay trees	" (2)
Diaspis boisduvalii (Scale insect)	Palms	"
Disease:		
Graphiola phoenicis	Phoenix canariensis	"

Name of Pest.	Host.	Country of origin.
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KENTUCKY.

Coccus hesperidum (Soft brown scale)	Bay trees	Belgium
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MAINE.

Timetocera ocellana (Eye-spotted bud moth)	Apple trees	England
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MARYLAND.

Bryobia pratensis (Clover Mite)	Pear stocks	France
Eggs of (?)	Rhododendrons	Holland
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	"

MASSACHUSETTS.

Aspidiotus britannicus (Scale insect)	Bay trees	Belgium (3)
Chrysomphalus ficus (Florida red scale)	Palms	" (2)
Coccus hesperidum (Soft brown scale)	Bay trees	" (2)
Diaspis boisduvalii (?) (Scale insect)	Palms	" (2)
Howardia biclavis (Mining scale)	Cinnamon	Jamaica
Lepidosaphes ulmi (Oyster-shell scale)	Lilac	Nova Scotia
Pulvinaria pyriformis (Scale insect)	Cinnamon	Jamaica

Diseases:

Anthraxnose	Roses	Nova Scotia
Bacterium tumefaciens (Crown gall)	Apple	France

MISSOURI.

Coccus hesperidum (Soft brown scale)	Palms	Belgium (2)
" " " " "	Cocos	"

NEBRASKA.

Coccus hesperidum (Soft brown scale)	Bay trees	Belgium (2)
Diaspis boisduvalii (Scale insect)	Palms	"

Name of pest.	Host.	Country of origin.
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NEW JERSEY.

<i>Aleyrodes</i> sp. (White fly)	Palms	Belgium
<i>Aspidiotus britannicus</i> (Scale insect)	Bay trees	"
<i>Chrysomphalus dictyospermi</i> (Scale insect)	Palms	"
" ficus (Florida red scale)	"	" (8)
<i>Coccus hesperidum</i> (Soft brown scale)	Bay trees	" (4)
<i>Hemichionaspis aspidistrae</i> (Scale insect)	Aspidistra	" (2)
<i>Pseudococcus</i> sp. (Mealy bug)	Palms	" (3)
" " " "	Ficus	"
<i>Tenebrio molitor</i> (Beetle)	In bottom of case of nursery stock	France

NEW YORK CITY. (Federal inspection).

Ants, small brown	Orchids	Colombia
<i>Aspidiotus camelliae</i> (Greedy scale)	"	Venezuela
<i>Blattella</i> sp. (Roach)	"	Colombia
<i>Coccus hesperidum</i> (Soft brown scale)	Bay trees	Belgium
Cockroach, nymph	Orchids	Venezuela
<i>Cremastogaster brevispinosa</i> (Ant)	"	Colombia
<i>Diaspis boisduvalii</i> (Scale insect)	"	Venezuela
" " " "	"	Colombia
" " " "	?	"
<i>Ectobia germanica</i> (German roach)	Orchids	"
Eggs of (?)	?	"
Lepidopteron, larva of	?	"
<i>Monomorium pharaonis</i> (Ant)	Orchids	"
<i>Parlatoria blanchardi</i> (Blanchard scale)	Date palms	Algeria
<i>Plagiolepis pygmaea</i> (Ant)	" "	"
<i>Porcellionides pruinosus</i> (Isopod)	Orchids	Colombia
Roach	?	"
<i>Tenthecoris bicolor</i> (Capsid)	Orchids	Venezuela
" " " "	"	Colombia
<i>Tenuipalpus</i> sp. (Mites)	"	"

Diseases:

<i>Diplodia</i>	<i>Areca lutescens</i>	Brazil (?)
<i>Gloeosporium cattleyae</i>	Orchids	Colombia
<i>Pythium</i> ?	"	"
Sooty mold	"	India
<i>Volutella sphaeriformis</i>	"	Colombia

Name of Pest.	Host.	Country of origin.
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OHIO.

Coccus hesperidum (Soft brown scale)	Bay trees	Belgium (2)
Coccus hesperidum (?) (Soft brown scale)	(?) Palms	" (2)
Diaspis boisduvalii (?) (Scale insect)	"	"
Hemichionaspis aspidistrae (?) (Scale insect)	Asplenums	England

Oregon.

Lepidosaphes ulmi (Oyster-shell scale)	Crab trees	France
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Disease:

Bacterium tumefaciens (Crown gall)	Flowering crab trees	"
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PENNSYLVANIA.

Coccus hesperidum (?) (Soft brown scale)	(?) Metrosideros	Belgium
" " (?) " " " " (?)	Palms	" (2)
" " (?) " " " " (?)	Bay trees	" (2)
" " (Soft brown scale)	Aralia	"
" " " " " " "	Bay trees	" (2)
Mites	Vignes depleine terre	"
Pseudococcus sp. (Mealy bug)	Palms	"

Vermont.

Diseases:

Oospora scabies (Common potato scab)	Potatoes	Canada
Rhizoctonia sp.	"	"
Spondylocidium atrovirens (Silver scurf)	"	"